

APPENDIX A

Data Transfer Request (DTR) File -- for use with X_ETL_DEFINEREC

/* General notes:

* 1. The DTR file is comprised of DTR commands that define the data transfer between the GCOS and Unix machines in behalf of the RDBC utilities running on Unix.

* 2. A DTR command may be expressed on a single line or across multiple lines.

5 * An individual token within a DTR command may not be split across multiple lines. Multiple DTR commands on the same line is not supported.

* 3. Supported DTR commands: OPTION and RECORDFORMAT.

* 4. Required Order of DTR commands: OPTION (if present), followed by RECORDFORMAT.

10 * 5. RECORDFORMAT field requirements: All fields of data record must be explicitly defined.
*/

<OptionCmd>::= OPTION <OptionStmt> [<OptionStmt>...];

15 <OptionStmt>::= <ConvStmt> | <IndStmt> | <ByteflipStmt>

<ConvStmt>::= -CONVERT {YES|NO} /* default is YES */

<ByteflipStmt>::= -BYTEFLIP {YES|NO} /* default is YES */

20 <IndStmt>::= -INDICATORS {YES|NO} | <NumIndBits> /* default is NO */

<NumIndBits>::= /* integer value indicating number of Indicator bits */

/* Miscellaneous notes:

25 * 1. "-INDICATORS YES" implies that the number of Indicator Bits is the number of <FieldDesc> fields contained in the RECORDFORMAT command.
*/

/*-----*/

30 <RecFormatCmd>::= RECORDFORMAT <FieldDesc> [,<FieldDesc>...];

<FieldDesc>::= <fieldname> (<datatype>)

35 <fieldname>::= /* alpha-numeric string indicating name of record field */

<datatype>::= BYTE (n) | BYTEINT | CHAR (n) | DATE | DECIMAL (x)
DECIMAL (x,y) | FLOAT | GRAPHIC (n) | INTEGER | LONG VARBYTE |
LONG VARCHAR | LONG VARGRAPHIC | SMALLINT | VARBYTE (n) |
40 VARCHAR (n) | VARGRAPHIC (n)

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